

DIVISION 7

THERMAL AND MOISTURE PROTECTION

07200 BUILDING INSULATION

PART 1 – GENERAL

1.1 WORK

- A. Work includes all labor and materials required for completely insulating the building as listed on the **Scope** and specified herein.
- B. Where additional instruction is required, work shall be as directed by the **Inspector**.

1.2 QUALITY STANDARDS

- A. Provide skilled, trained, experienced and competent workers to complete the work as specified.
- B. All work shall be completed in accordance with state and local building codes, manufacturer's instructions, and as specified herein.

1.3 MATERIALS HANDLING AND STORAGE

- A. Provide all materials required to complete the work.
 - Materials and products delivered will be certified by the manufacturer to be as specified.
 - Do not install any used, damaged, defective or unsatisfactory materials.
- B. Handling:
 - Deliver and transport materials to avoid damage to the product or to any other work.
 - Keep all materials to be installed dry.
- C. Store materials off the ground, protected from dirt, ground moisture, contaminants, and weather.

1.4 PRECONSTRUCTION AND PREPARATION

- A. Examine and verify that job conditions are satisfactory for speedy and acceptable work.
 - Insulation shall not be installed until after roofing, siding, windows, doors, flashings, etc. have been installed to protect the insulation and prevent exposure to moisture.

PART 2 – MATERIALS

2.1 INSULATION

- A. Provide building insulation from a recognized manufacturer. Type of insulation as listed in the **Scope** or as specified herein:
 - Glass fiber insulation
 - Rigid insulation
 - Semi-rigid insulation
 - Batt insulation
 - Preformed glass fiber batt insulation.
 - Polystyrene insulation
 - Glass fiber loose fill
 - Fiberglass
 - Cellulose
- B. Insulation R-value should be as listed in the **Scope** or as specified herein.
 - When not listed by the **Scope**, or elsewhere insulation R-value shall be sized (to fit wall, floor, ceiling space completely filling the cavity without overstuffing.
- C. Provide tapes, fastenings, and other related materials as instructed by insulation manufacturer.

PART 3 – CONSTRUCTION AND INSTALLATION

3.1 APPLICATION

A. Preparation:

- Keep areas to be insulated clean and dry.
- Do not install insulation where it might be exposed to water.

B. Install as per manufacturer's instructions and building code requirements:

- Install batts with tight contact of insulation with framing.
- Use fastenings and fastening spacing as required by manufacturer.
- Allow air spaces as required by manufacturer.
- Keep rips and surface damage minimal; repair damage wherever it occurs.
- Properly position reflective surface.
- Cleanly cut and tightly fit batts around electrical and plumbing components.
- Keep ventilation space unobstructed.

C. Loose insulation:

- Do not allow air blower to over-fluff insulation.
- Completely and evenly fill joist spaces to correct depth.
- Thoroughly fill and pack all wall spaces.

3.2 INSPECTION AND CLEANUP

A. Cleaning, inspection, and repairs:

- Clean the work area and remove all scrap and excess materials from the site.
- Allow convenient access for inspection of work.
- Repair or replace defective work as directed by the **Inspector**.

END OF SECTION – 07200 BUILDING INSULATION